

EAST Search History *final portion only (file corrupted)*

| Ref # | Hits | Search Query | DBs | Default Operator | Plurals | Time Stamp |
|-------|------|--|---|------------------|---------|------------------|
| L1 | 2 | jp-10307288\$-\$.did. | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2006/10/11 14:41 |
| L2 | 1 | jp-06102485\$-\$.did. | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2006/10/11 14:41 |
| S1 | 2 | jp-10333121\$-\$.did. | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2006/04/03 10:07 |
| S2 | 342 | homeotropic adj state | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2005/10/04 13:55 |
| S3 | 8 | "6008875" | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2005/11/14 12:18 |
| S4 | 2 | ("6008875").PN. | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2005/11/14 12:18 |
| S5 | 2213 | ((349/85) or (349/94) or (349/99) or (349/102) or (349/103) or (349/123) or (349/128) or (349/136) or (349/139) or (349/168) or (349/169)).CCLS. | US-PGPUB; USPAT | OR | OFF | 2005/11/14 14:44 |
| S6 | 2 | S5 and (thick thickness) and (helical adj pitch pitch) and focal adj conic and homeotropic and threshold and voltage and planar | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2005/11/14 14:46 |
| S7 | 15 | S5 and (thick thickness) and (helical adj pitch pitch) and focal adj conic and homeotropic and threshold and voltage and planar | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2005/11/14 14:47 |

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|-----|----|--|---|----|-----|------------------|
| S8 | 13 | S5 and (thick thickness) and (helical adj pitch pitch) and focal adj conic and homeotropic and threshold and voltage and planar and @ad<"20011107" | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2005/11/14 15:17 |
| S9 | 51 | (gray grey) near1 scale and kent. as. | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/04/02 15:52 |
| S10 | 22 | (gray grey) near1 scale and kent. as. and planar and focal adj conic and homeotropic | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/04/02 14:44 |
| S11 | 2 | (gray grey) near1 scale and kent. as. and planar same (focal adj conic) same homeotropic and threshold and (thick thickness).ti, ab,clm. | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/04/02 14:50 |
| S12 | 2 | (gray grey) near1 scale and kent. as. and planar same (focal adj conic) same homeotropic and (transition threshold) near3 (potential voltage (electric adj field)) and (thick thickness).ti,ab, clm. | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/04/02 14:53 |
| S13 | 0 | (gray grey) near1 scale and kent. as. and planar same (focal adj conic) same homeotropic and (transition threshold) near3 (potential voltage (electric adj field)) and (varies vary variable) near4 (thick thickness).ti,ab,clm. | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/04/02 14:53 |
| S14 | 0 | (gray grey) near1 scale and kent. as. and planar same (focal adj conic) same homeotropic and (transition threshold) near3 (potential voltage (electric adj field)) and (change varies vary variable) near4 (thick thickness).ti, ab,clm. | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/04/02 14:53 |
| S15 | 0 | (gray grey) near1 scale and kent. as. and (transition threshold) near3 (potential voltage (electric adj field)) and (change varies vary variable) near4 (thick thickness).ti, ab,clm. | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/04/02 14:55 |

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| S16 | 0 | (gray grey) near1 scale and kent. as. and (change varies vary variable) near4 (thick thickness).ti, ab,clm. | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/04/02 14:55 |
| S17 | 19 | focal adj conic near20 homeotropic near20 planar near20 (transition threshold) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/04/02 15:52 |
| S18 | 4 | focal adj conic near20 homeotropic near20 planar near20 (transition threshold) and kent.as. | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/04/02 15:57 |
| S19 | 19 | focal adj conic near20 homeotropic near20 planar near20 (transition threshold) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/04/02 15:57 |
| S20 | 11 | focal adj conic near20 homeotropic near20 planar near20 (transition threshold) and (thick thickness) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/04/02 15:57 |
| S21 | 2 | ("4536059").PN. | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2006/04/03 10:33 |
| S22 | 2 | "4536059".pn. and focal\$6 | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2006/04/03 10:54 |
| S23 | 5 | "039309".ap. | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2006/04/03 10:54 |
| S24 | 4150 | ((349/85) or (349/94) or (349/99) or (349/102) or (349/103) or (349/123) or (349/128) or (349/129) or (349/136) or (349/139) or (349/168) or (349/169) or (349/173) or (349/175)).CCLS. | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2006/04/03 13:47 |

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| S25 | 0 | S24 and planar near10 (focal adj conic) near10 homeotropic.ti,ab, clm. and (grandjean planar frederick\$2) near10 (threshold transition).ti,ab,clm. and (grey gray) near1 scale and (thick thickness) near10 (vary variable varying varies staircase ramp ramped ramping slope sloping spatial) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2006/04/03 15:53 |
| S26 | 889 | cavitation and reactor and heat | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2006/04/03 15:54 |
| S27 | 88 | cavitation and reactor and heat and "376"/\$7.ccls. | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2006/04/03 16:11 |
| S28 | 5 | "039309".ap. | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2006/10/06 15:50 |
| S29 | 1 | (US-20020089479-\$).did. | US-PGPUB | OR | OFF | 2006/10/06 15:50 |
| S30 | 2 | ("4356059").PN. | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2006/10/06 16:21 |
| S31 | 2 | ("4536059").PN. | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2006/10/10 13:13 |
| S32 | 4344 | ((349/85) or (349/94) or (349/99) or (349/102) or (349/103) or (349/123) or (349/128) or (349/129) or (349/136) or (349/139) or (349/168) or (349/169) or (349/173) or (349/175)).CCLS. | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2006/10/09 18:07 |
| S33 | 667 | S32 and (vary variable varying different increas\$3 decreas\$3) near4 (thick thickness) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/10/06 18:50 |

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| S34 | 20 | (US-20020089479-\$ or US-20010000440-\$ or US-20010040661-\$).did. or (US-4536059-\$ or US-6654080-\$ or US-6377321-\$ or US-6034752-\$ or US-6104448-\$ or US-7113238-\$ or US-7106407-\$ or US-6710832-\$ or US-6867839-\$ or US-6504591-\$ or US-6124916-\$ or US-5973761-\$ or US-6124907-\$ or US-5724112-\$ or US-4521079-\$ or US-4712877-\$).did. or (US-6104448-\$).did. | US-PGPUB; USPAT; DERWENT | OR | OFF | 2006/10/09 17:49 |
| S35 | 9436 | (grey gray) and (varies vary variable increas\$3 decreas\$3 ramp\$3) near4 (thick thickness) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/10/09 18:07 |
| S36 | 4344 | ((349/85) or (349/94) or (349/99) or (349/102) or (349/103) or (349/123) or (349/128) or (349/129) or (349/136) or (349/139) or (349/168) or (349/169) or (349/173) or (349/175)).CCLS. | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2006/10/09 18:07 |
| S37 | 134 | S35 and S36 | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2006/10/09 18:08 |
| S38 | 81 | S35 and S36 and @ad<"20011108" | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/10/10 18:21 |
| S39 | 1 | jp-06102485\$-\$\$.did. | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/10/10 08:33 |
| S40 | 2 | jp-10307228\$-\$\$.did. | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/10/10 08:35 |
| S41 | 2 | jp-10307288\$-\$\$.did. | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/10/10 08:35 |

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| S42 | 0 | "5831704".pn. and helical | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/10/10 09:36 |
| S43 | 2 | "5831704".pn. and molecular | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/10/10 09:33 |
| S44 | 0 | "5831704".pn. and helical | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/10/10 09:36 |
| S46 | 0 | "5831704".pn. and nematic | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2006/10/10 15:47 |
| S47 | 0 | "5831704".pn. and pitch | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/10/10 15:57 |
| S48 | 29 | ("ZLI4788-000" "ZLI4792") and liquid adj crystal and pitch | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/10/10 15:53 |
| S49 | 0 | ("ZLI4788-000" "ZLI4792") near10 pitch and liquid adj crystal and pitch | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/10/10 15:53 |
| S50 | 3 | ("ZLI4788-000" "ZLI4792") near20 pitch and liquid adj crystal and pitch | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/10/10 15:53 |
| S51 | 1 | "5831704".pn. and (thick thickness) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/10/10 17:00 |
| S52 | 3 | ("2001266406").PN. | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2006/10/10 17:01 |

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| S53 | 2 | jp-2001266406\$-\$.did. | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/10/10 17:01 |
| S54 | 9449 | (grey gray) and (varies vary variable increas\$3 decreas\$3 ramp\$3) near4 (thick thickness) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/10/10 18:21 |
| S55 | 4347 | ((349/85) or (349/94) or (349/99) or (349/102) or (349/103) or (349/123) or (349/128) or (349/129) or (349/136) or (349/139) or (349/168) or (349/169) or (349/173) or (349/175)).CCLS. | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2006/10/10 18:21 |
| S56 | 81 | S54 and S55 and @ad<"20011108" | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/10/10 18:21 |
| S57 | 81 | S56 | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/10/10 18:22 |
| S58 | 1 | (US-20020089479-\$).did. | US-PGPUB | OR | OFF | 2006/10/10 18:29 |
| S59 | 1 | (US-20020089479-\$).did. and (intermediate multiple) near4 (gray grey) | US-PGPUB | OR | ON | 2006/10/10 18:58 |
| S60 | 2 | ("5576860").PN. | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2006/10/10 19:00 |
| S62 | 153 | (gray grey) and "349"/\$7.ccls. and (helical adj pitch pitch) near5 thickness | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/10/10 19:02 |
| S63 | 1 | (gray grey) and "349"/\$7.ccls. and (helical adj pitch pitch) near5 thickness with (grey gray) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/10/10 19:02 |

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| S64 | 11 | (gray grey) and "349"/\$7.ccls. and (helical adj pitch pitch) near5 thickness same (grey gray) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/10/10 19:02 |
| S65 | 234 | (gray grey) and "349"/\$7.ccls. and (helical adj pitch pitch) near10 thickness | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/10/11 08:17 |
| S66 | 29 | (US-20020089479-\$ or US-20010040661-\$ or US-20010000440-\$).did. or (US-6124907-\$ or US-6417899-\$ or US-5798808-\$ or US-5327271-\$ or US-5257122-\$ or US-5191452-\$ or US-6654080-\$ or US-6377321-\$ or US-6104448-\$ or US-4536059-\$ or US-6034752-\$ or US-7106407-\$ or US-7113238-\$ or US-6867839-\$ or US-6710832-\$ or US-6504591-\$ or US-5973761-\$ or US-6124916-\$ or US-5724112-\$ or US-4521079-\$ or US-4712877-\$ or US-5959707-\$ or US-6094252-\$).did. or (JP-06102485-\$ or JP-10307288-\$).did. or (US-6104448-\$).did. | US-PGPUB; USPAT; JPO; DERWENT | OR | OFF | 2006/10/11 08:30 |
| S67 | 0 | S66 and nakamura.in. | US-PGPUB; USPAT; JPO; DERWENT | OR | OFF | 2006/10/11 08:31 |
| S68 | 3865 | (liquid adj crystal adj (device display layer)) and nakamura.in. | US-PGPUB; USPAT; JPO; DERWENT | OR | ON | 2006/10/11 08:32 |
| S69 | 300 | (liquid adj crystal adj (device display layer)) and nakamura.in. and pitch and (thick thickness) | US-PGPUB; USPAT; JPO; DERWENT | OR | ON | 2006/10/11 08:32 |
| S70 | 61 | (liquid adj crystal adj (device display layer)) and nakamura.in. and pitch and (thick thickness) and chiral | US-PGPUB; USPAT; JPO; DERWENT | OR | ON | 2006/10/11 08:32 |
| S71 | 21 | "5831704" | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2006/10/11 08:46 |

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| S72 | 2 | ("4632514").PN. | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2006/10/11 09:33 |
|-----|---|-----------------|---|----|-----|------------------|